

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits   | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|--------|---|---|------------------|---------|---------------------|
| S1    | 8      | ((RAINER) near2 (POMMERSHEIM)).INV.   | US-PGPUB;<br>USPAT  | OR               | ON      | 2010/01/29<br>12:35 |
| S2    | 0      | "4663286.pn"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/01/29<br>15:12 |
| S3    | 0      | "4663286.pn."   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/01/29<br>15:12 |
| S4    | 2      | "4663286".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/01/29<br>15:12 |
| S5    | 176828 | microcapsule microsphere<br>microballoon micro adj<br>capsule micro adj sphere<br>micro adj balloon core adj<br>shell core adj shell adj<br>particle nanocapsule<br>nanosphere nano adj<br>capsule nano adj sphere<br>microencapsulat\$4 micro<br>adj encapsulat\$4 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/01/29<br>17:19 |
| S6    | 1254   | S5 and (enzyme near5<br>(core encapsulat\$5))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/01/29<br>17:21 |
| S7    | 9      | S6 and ((destro\$4 break<br>adj down broken adj down)<br>near2 (shell wall matrix))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/01/29<br>17:23 |
| S9    | 54     | S5 and ((enzyme) near5<br>(destro\$4 disolv\$4 activate<br>inactivate break\$4 adj<br>down broken adj down)<br>near5 (shell wall matrix))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/01/29<br>17:28 |

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| S10 | 3217 | S5 and ((enzyme) near5 (destro\$4 disolv\$4 activate inactivate break adj down broken adj down))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>17:29 |
| S12 | 359  | S10 and ((enzyme) with (core encapsula\$5 interior))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>17:32 |
| S13 | 292  | S12 and (alginate agarose sephadex carbohydrate paraffin)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>17:34 |
| S14 | 22   | S12 and ((multiple) near2 (layer film coat shell))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>17:35 |
| S15 | 17   | S13 and ((multiple) near2 (layer film coat shell))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>17:35 |
| S16 | 257  | S5 and ((enzyme) with (destro\$4 disolv\$4 activate inactivate break adj down broken adj down) with (shell wall membrane))                            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>17:38 |
| S17 | 24   | S16 and ((multiple) near2 (layer film coat shell) (multilayer\$3 multi-layer\$3 multi adj layer\$3))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>17:39 |
| S18 | 2845 | S5 and ((enzyme activator) with (core encapsulat\$5))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>18:11 |
| S19 | 428  | S18 and ((enzyme activator) with (destro\$4 disolv\$4 activat\$5 inactivat\$5 break adj down broken adj down) with (shell wall membrane drug produg)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>18:12 |

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| S20 | 81  | S19 and ((multiple) near2 (layer film coat shell) (multilayer\$3 multi-layer\$3 multi adj layer\$3))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>18:13 |
| S21 | 64  | S20 and (alginate agarose sephadex carbohydrate paraffin)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>18:14 |
| S22 | 63  | S21 and (enzym drug prodrug activator inactivator activate inactivate destro\$5 break \$4 adj down)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>18:18 |
| S23 | 395 | S5 and ((enzyme drug activator inactivator) with (destro\$4 disolv\$4 activate inactivate break\$4 adj down broken adj down) with (shell wall matrix core encapsulat\$5))                            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>18:36 |
| S24 | 99  | S23 and ((multiple) near2 (layer film coat shell) (multilayer\$3 multi-layer\$3 multi adj layer\$3))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>18:37 |
| S25 | 99  | S24 and (enzym drug prodrug activator inactivator activate inactivate destro\$5 break \$4 adj down)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>18:39 |
| S26 | 262 | S5 and ((enzyme prodrug inactiv\$5 near1 drug drug substrate) near5 (destro\$4 disolv\$4 activate disintegrat \$5 inactivate break\$4 adj down breakdown broken adj down) near5 (shell wall matrix)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>19:16 |
| S27 | 70  | S26 and ((multiple) near2 (layer film coat shell) (multilayer\$3 multi-layer\$3 multi adj layer\$3))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>19:16 |
| S28 | 70  | S27 and (enzym drug prodrug activator inactivator activate inactivate destro\$5 break \$4 adj down)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>19:17 |

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| S29 | 25370  | S5 and ((enzyme prodrug drug substrate) with (destro\$4 disolv\$4 activat\$5 disintegrat\$5 inactivat\$5 break\$4 adj down breakdown broken adj down))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>19:43 |
| S30 | 3200   | S29 and ((multiple) near2 (layer film coat shell) (multilayer\$3 multi-layer\$3 multi adj layer\$3))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>19:43 |
| S31 | 289    | S30 and (428/402.2.ccls. 428/402.21.ccls. 435/178.ccls. 435/182.ccls. 264/4.1.ccls. 264/4.32.ccls. 424/489.ccls. 424/423.ccls. 424/450.ccls.)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>19:46 |
| S32 | 240    | S31 and (alginate agarose sephadex carbohydrate paraffin)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>19:47 |
| S33 | 240    | S32 and (enzym drug prodrug activator inactivator activat\$5 inactivat\$5 destro\$5 break\$4 adj down breakdown disintegrate)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/29<br>19:48 |
| S34 | 2      | "5846924".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/30<br>12:23 |
| S35 | 3      | "4352883".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/30<br>12:31 |
| S36 | 176828 | microcapsule microsphere microballoon micro adj capsule micro adj sphere micro adj balloon core adj shell core adj shell adj particle nanocapsule nanospshere nano adj capsule nano adj sphere microencapsulat\$4 micro adj encapsulat\$4 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/30<br>12:35 |

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| S38 | 1319235 | alginate agarose sephadex<br>paraffin ceramic   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/30<br>12:39 |
| S39 | 45371   | S38 with (core interior<br>encapsulat\$5)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/30<br>12:39 |
| S40 | 1449216 | carboxymethyl adj cellulose<br>cellulose adj sulfate<br>cellulose pectin \$5acryl\$3<br>\$5methacryl\$3   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/30<br>12:42 |
| S41 | 6780    | (chitosan \$4ethylene near1<br>iminie \$4diethyl near1<br>ammonium \$4diethyl near1<br>amine \$4ethylene near1<br>amine) with (wall shell<br>membrane coat\$4 cover\$5)               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/30<br>12:51 |
| S42 | 241     | S36 and S39 and S40 and<br>S41  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/30<br>12:52 |
| S43 | 214     | S42 and (cell bacteri\$3<br>prokaryot\$3 virus)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/30<br>12:54 |
| S44 | 46      | S43 and ((enzyme) with<br>(destro\$4 disolv\$4<br>disintegrat\$4 activat\$4<br>inactivat\$4 break adj down<br>broken adj down))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/30<br>12:56 |
| S51 | 1752    | S36 and ((enzyme catalyst)<br>with (destro\$4 disolv\$4<br>disintegrat\$4 activat\$4<br>inactivat\$4 break adj down<br>broken adj down) with<br>(wall shell core matrix<br>membrane)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/30<br>13:21 |
| S52 | 416     | S51 and ((core interior<br>encapsulat\$5) near5 (cell<br>bacteri\$3 prokaryot\$3<br>virus))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/30<br>13:22 |

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| S53 | 69   | S52 and S39  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/30<br>13:24 |
| S54 | 1621 | S36 and ((enzyme<br>pectinase) with (destro\$4<br>disolv\$4 disintegrat\$4<br>activat\$4 inactivat\$4 break<br>adj down broken adj down)<br>with (wall shell core matrix<br>membrane)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/30<br>13:28 |
| S55 | 414  | S54 and ((core interior<br>encapsulat\$5) near5 (cell<br>bacteri\$3 prokaryot\$3<br>virus))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/30<br>13:28 |
| S56 | 69   | S55 and S39  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/30<br>13:28 |

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